



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3672-3

Job Sheet 203477



JAN 10 2020

Part No: D3672-3

Job Qty: 500 pcs

Part Name: Washer, Phenolic



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/20/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 12/17/19

Description:

Type: SOLD

Note: DWG REV D IPP Rev:A New Issue 07-09-09 JLM Verified By:EC IPP Rev:B ECN 1056 07-11-13 DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	500 pcs		12/17/19	0.00	0.00	Purchasing - 1		
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	500 pcs		12/17/19	0.00	0.00	Packaging 2 - 1 - B4B		
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 -		



Container No: S246384



Part: D3672-3

Job No: 203477

Serial No/Batch: S246384

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com

Date: 01/10/20

Plex 11/20/19 10:27 AM Dart.lajeunesse.marie

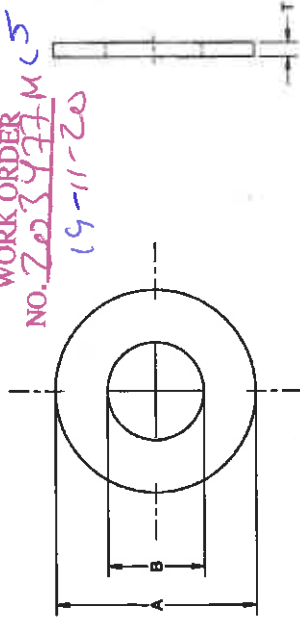
						B4B	
						Packaging 2 - 21 - B4B	
						Packaging 2 - 22 - B4B	
						Packaging 2 - 23 - B4B	
						Packaging 2 - 24 - B4B	
						Packaging 2 - 25 - B4B	
						Packaging 2 - 26 - B4B	
						Packaging 2 - 27 - B4B	
						Packaging 2 - 28 - B4B	
						Packaging 2 - 29 - B4B	
						Packaging 2 - 30 - B4B	
						Packaging 2 - 31 - B4B	
						Packaging 2 - 32 - B4B	
						Packaging 2 - 33 - B4B	
						Packaging 2 - 34 - B4B	
						Packaging 2 - 35 - B4B	
						Packaging 2 - 36 - B4B	
120	QC 6	500 pcs	12/17/19	0.00	0.00	QC 6 - 9	
						QC 6 - 68	JAN 13 2020 ^{DAS} 8-89
						QC 6 - 61	
						QC 6 - 40	
						QC 6 - 81	
130	Packaging 3-1 - Stock - B4B	500 pcs	12/17/19	0.00	0.00	Packaging 3 - 1 - B4B	
						Packaging 3 - 2 - B4B	
						Packaging 3 - 3 - B4B	
						Packaging 3 - 4 - B4B	^{DAS} 74 JAN 14 2020 9-89
						Packaging 3 - 5 - B4B	
						Packaging 3 - 6 - B4B	
						Packaging 3 - 7 - B4B	
						Packaging 3 - 8 - B4B	
						Packaging 3 - 9 - B4B	
						Packaging 3 - 10 - B4B	
						Packaging 3 - 11 - B4B	
						Packaging 3 - 12 - B4B	
						Packaging 3 - 13 - B4B	
						Packaging 3 - 14 - B4B	
						Packaging 3 - 15 - B4B	
						Packaging 3 - 16 - B4B	
						Packaging 3 - 17 - B4B	

					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
140	QC 21 - SA	500 pcs	12/17/19	0.00 0.00	QC 21 - SA - 21	
					QC 21 - SA - 70	DAS JAN 14 2020
					QC 21 - SA - 53	21
					Broussard	2-20
Part Op 100 - (Purchasing) Issue P/O: _____ Purchase Part Number: MM .500 OD X .267 ID X .031 +/- .002 Descriptions: 110 - (Receive & Inspect for Damage & Mat'l Certs) Ensure certificate of conformity is attached 120 - (QC6- All purchased or subcontracted products) 130 - (Identify as per dwg & Stock Location: _____) LOCATION : FP001 140 - (QC21- Final Inspection - Work Order Release)						
Job BOM						
Part / Item	Component Name	Quantity	Operation	Container		
D3672-3P	Washer	500 pcs (1 ea)	100-Purchasing	S246381		
Job Allocations						
Operation	Component Part	Required	Inventory	Allocated		
100-Purchasing	D3672-3P	500	0	0		
Part Specifications						
Specifications could not be found.						

Plex 11/20/19 10:27 AM Dart.lajeunesse.marie

SPECIFICATION CONTROL DRAWING

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 203477-MC-5
19-11-20



D3672-X PHENOLIC WASHER

DART PIN	A (IN)	B (IN)	T (IN)	SUPPLIER PIN	REPLACES
D3672-1	0.437	0.210	0.031	MM.43700 X .210ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H3L
D3672-3	0.500	0.267	0.031	MM.50000 X .267ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H4L
D3672-5	0.562	0.326	0.063	MM.56200 X .326ID X .062 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5
D3672-7	0.562	0.326	0.031	MM.56200 X .326ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H6L
D3672-9	0.625	0.390	0.031	MM.62500 X .390ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H6L
D3672-11	0.750	0.453	0.031	MM.75000 X .453ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H7L
D3672-13	0.875	0.515	0.031	MM.87500 X .515ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H8L
D3672-15	0.437	0.210	0.063	MM.43700 X .210ID X .063 +/- .002 PHENOLIC FLAT WASHER	NAS1515H3
D3672-17	0.500	0.267	0.063	MM.50000 X .267ID X .063 +/- .002 PHENOLIC FLAT WASHER	NAS1515H4
D3672-19	0.875	0.516	0.063	MM.87500 X .516ID X .063 +/- .002 PHENOLIC FLAT WASHER	NAS1515H8

NOTES:
1) MATERIAL: PHENOLIC. PURCHASE HASKINS INDUSTRIAL INC. PIN PER TABLE (IN QUANTITIES OF 1000)
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: NONE
7) WEIGHT: LESS THAN 0.01 Lbs

RELEASED

2016 JUN 22 9p
ECN 16-64

APPROVED

D	ADD -16-17-18	MB	16.05.26
C	REDRAW, ADD -13 (2N AB-1), PAR 09-038	CP	06.11.04
B	ADD 3-7-9-11	DC	07.10.08
A	NEW ISSUE	DC	07.08.28
REV.	DESCRIPTION	BY	DATE
DESIGN	ML	MB	
DRAWN	MB		
CHECKED	AJS		
MFG. APPR.	DD		
APPROVED	WM		
DE APPR.	DS		
DATE	16.05.26		
DART AEROSPACE LTD HAMPSHIRE, ONTARIO, CANADA			
DRAWING NO. D3672			
REV. D SHEET 1 OF 1			
TITLE PHENOLIC WASHER			
SCALE NTS			
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Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only ☐

NCR No. _____

Job: _____

Part No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐

DEPARTMENT/PROCESS

Cross tube ☐
Small Fab ☐
Finishing ☐

Skid-tube ☐
Machining ☐
Large Fab ☐

Eng. (Non-AW) ☐
Prod. Eng. Coord. ☐
Rec/Store/Packaging ☐

Engineering ☐
Water Jet ☐
Supplier ☐
Quality ☐

MRB (Q51042)

Date: _____ Sequence #: _____

QTY Affected: _____

Description Work Order Deviation

Disposition

Completed By _____

Lead hand / Supervisor _____

QC / QA Coordinator _____

Root Cause

Operator ☐
Manufacturing Process ☐
Equip/Tooling ☐
Handling/Preservation ☐
Material ☐
Product Improvement ☐
Process Improvement ☐
Human Factors ☐

FAULT CATEGORY

Pressure/Forced ☐
Bending ☐
Crushing ☐
Cracks ☐
Crimp/Kink/Ripple/Wave/Twist ☐
Marks/Chatter ☐
Mislabeled ☐
Contamination ☐
Misaligned/off center ☐
BOM/Route ☐
Broken/Damage/Defect ☐
Incomplete/Unclear Instructions ☐
Drill Holes ☐
Fit/Function ☐

Power Loss/Surge ☐
Folio/Program ☐
Grain Direction ☐
Weld ☐
Wrong Stock Pulled ☐
Out of Sequence ☐
Off-set/Set-up ☐
Positioned Wrong ☐
Outside Tolerance ☐
Drawing ☐
Finish ☐
Part Lost/Missing ☐
Misread ☐

Other/Details: _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury ON
K6A 1K7
Canada

Tel (613) 2-5200

PURCHASE ORDER

POHB045191



Supplier: HAS002-VC
Haskins Industrial
5-52 Antares Drive
Nepean
ON
K2E 7Z1 Canada
Phone: 613 723 8800
Fax: 613 723 8806

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB045191

PO Date: 11/25/19

Due Date: 12/23/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: quote no. 2233963.00

NOV 26 2019

Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	203477	D3672-3P	D3672 REV. A	MM .500 OD x .267 ID x .031 +/- .002	Washer : Various STC's As per Dwg D3672 Rev. D	Firmed	-	12/23/19	2,000 pcs	0 pcs	2,000 pcs	\$0.3725/pcs	\$745.00
Line Item Note: c of c charge included in pricing													
2	203678	D3672-7P		MM .562 OD x .328 ID x .031 +/- .002	Washer : Various STC's As per Dwg D3672 Rev. D	Firmed	-	12/23/19	1,000 pcs	0 pcs	1,000 pcs	\$0.765/pcs	\$765.00
Line Item Note: c of c charge included in pricing													
												Grand Total:	\$1,510.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

Plex 11/25/19 11:18 AM Dart.Lavoie.Chantal

HASKINS INDUSTRIAL INC.
5-52 ANTARES DRIVE

** PACKING SLIP **

Order # 1273128.00

NEPEAN, ONTARIO K2E 7Z1
TEL (613) 723-8800 FAX (613) 723-8806

Order Date 11/26/19

Page 1 of 1

Sold To: DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY
ON
K6A 1K7

Ship To: DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY
ON
K6A 1K7

Cust Phone #	Warehouse	F.O.B.	Taken By
	OTTAWA	DEST	Sylvie 613-723-880

Cust #	Customer P/O #	Required	Orig Order	Slsm	Ship Via	Terms
05168	POHB045191	11/26/19	1273128.00	PL	DICOM	NET 30

Ln#	Bin #	Order UM	Ship	B/O Product	Description
1		2000 EA	2000	1X1 Q#658146	0.500+/- .007X0.267 +/- .007X.031+/- .003 PART NUMBER D3672-3
2		1000 EA	1000	1X1 Q#658147	0.562+/- .007 X 0.328 +/- .007X.031+/- .003 PART NUMBER D3672-7
3		1 EA	1	1X1	CERTIFICATE OF COMPLIANCE CERTIFICATE FOR WASHER D3672-3
4		1 EA	1	1X1	CRETIFICATE OF COMPLIANCE CERTIFICATE FOR WASHER D3672-7
5		1 EA	1	FREIGHTIN	FREIGHT CHARGE FRAIS D'EXPEDITION FREIGHT FROM THE SUPPLIER INTO CANADA TO BE DETERMINED *****COMPLETE SPECIAL - MADE TO ORDER *****

PLEASE NOTE:

1. NO RETURNS WITHOUT PRIOR AUTHORIZATION
2. ALL SHORTAGE CLAIMS MUST BE WITHIN 10 DAYS
3. BO CODE: BO = QTY NOT SHIPPED IS BACK-ORDERED
CL= QTY NOT SHIPPED WAS CANCELLED
SC= ITEM CONSIDERED COMPLETE - NO B/O CREATED

FILL *h* PACK *Ap* DATE *01/06/20*
Printed on 2020-01-06 at 13:55

RECEIVED

JAN 07 2020

DART AEROSPACE LTD.

CERTIFICATE OF COMPLIANCE

Country Of Origin: US

Order/Lot#: 811229
Customer: Haskins Industrial Inc
Customer Part #: D3672-3
Rev Level:

P.O. #: 227977
Boker's Part #: C174254
Quantity: 2,000 X

DAS
68
9-89

We hereby certify that:

- ☒ These parts have been fabricated in accordance with material specifications required on blueprint and/or purchase orders, and that material certifications are on file. Chemical analysis and/or test reports are furnished upon request.
- ☐ To the best of our knowledge and belief the material listed hereon conforms to blueprint and/or P.O. specifications.
- ☐ These parts were made from material supplied by you for these parts.
- ☐ These parts have been spot welded, tested and accepted.
- ☐ These parts have been projection welded, tested and accepted.
- ☐ These parts have been passivated in accordance with SAE-AMS-2700F METHOD I Type 6.
- ☐ To the best of our knowledge and belief, these parts are compliant to California's Proposition 65..
- ☐ These parts are compliant to Directive 2015/863/EU, RoHS.
- ☐ These parts are compliant to DFARS 252.225..7008&7009.
- ☐ These parts are compliant to REACH.
- ☐ Inspection and test equipment are calibrated and traceable to National Institute of Standards and Technology (NIST).
- ☐ To the best of our knowledge and belief, these parts were not contaminated by mercury or mercury compounds. Boker's, Inc. does not use mercury in the testing or production of its products.
- ☐ To the best of our knowledge and belief, these parts were not contaminated by latex. Boker's, Inc. does not use latex in the testing or production of its products and maintains as best as possible, a latex free environment.
- ☐ Boker's, Inc. does not use asbestos in the testing or production of its products. To the best of our knowledge and belief, this material was not contaminated by asbestos or asbestos compounds while it was being manufactured in our facilities.
- ☐ Boker's Inc. has performed enhanced Foreign Object Detection/Damage (FOD) inspection of parts and containers prior to shipment.
- ☐
- ☐

Signature:

Michael Watts

Date:

December 20, 2019

Printed Name and Title:

Michael Watts - Inspector